

PEOPLE MOVE

Human Resources reports the following personnel changes:

Key Personnel Assignments

Steve Hawley was named Director, Flight Crew Operations.
Kent Rominger was named Deputy Director, Flight Crew Operations.
Andy Thomas was named Deputy Chief, Astronaut Office, Flight Crew Operations Directorate.
William Rod Jones was named Deputy Manager, Mission Integration and Operations Office, International Space Station Program.
Kirk Shireman was named Deputy Manager, Program Integration Office, International Space Station Program.

Additions to the Workforce

Frank Prochaska joins the Human Resources Management Branch, Human Resources Office, as a Human Resources Representative.
Lynne Barends joins the Public Affairs Office, as a Public Affairs Specialist.
Cody Corley and *Joseph Mladinich* join the Institutional Procurement Office, Office of Procurement, as Contract Specialists.
Genefer Brice joins the Projects Procurement Office, Office of Procurement, as a Contract Specialist.
Mary Kincaid joins the Space Shuttle Procurement Office, Office of Procurement, as a Contract Specialist.
Kevin Mellett joins the Astronaut Office, Flight Crew Operations Directorate, as an Aerospace Engineer.
George Dyson joins the EVA, Robotics and Crew Systems Operations Division, Mission Operations Directorate, as a Flight Controller/Instructor.
Mariusz Zaczek joins the Orbit Dynamics Branch, Flight Design and Dynamics Division, Mission Operations Directorate, as an Aerospace Engineer.
Cari Goulard joins the Cargo Integration and Operations Branch, Operations Division, Mission Operations Directorate, as a Flight Controller.
Mandy Broome joins the Avionics Training Branch, Space Flight Training Division, Mission Operations Directorate, as a Training Instructor.
George Nelson joins the Systems Training Branch, Space Flight Training Division, Mission Operations Directorate, as a Training Instructor.
Aliver Villarreal joins the Communications and Data Systems Branch, Systems Division, Mission Operations Directorate, as a Flight Controller.
Katie Jacikas joins the Applied Aeroscience and Computer Fluid Dynamic Branch, Aeroscience and Flight Mechanics Division, Engineering Directorate, as an Aerospace Engineer.
Jesus Goas joins the Avionics Test and Analysis Branch, Avionic Systems Division, Engineering Directorate, as an Electronics Engineer.
Charles McCann joins the Structures and Dynamics Branch, Structural Engineering Division, Engineering Directorate, as an Aerospace Engineer.
Padraig Moloney joins the Manufacturing, Engineering and Integration Branch, Structural Engineering Division, Engineering Directorate, as an Aerospace Engineer.
Michael Caputo joins the Property and Equipment Branch, Logistics Division, Center Operations Directorate, as an Industrial Property Management Specialist.
Brent Gardner joins the Central Budget Office, Office of the Chief Financial Officer, as a Program Analyst.
Cordt Cashen joins the Space Operations and Management Resources Office, Office of the Chief Financial Officer, as a Program Analyst.
Rodney Young joins the Space Shuttle Resources Office, Office of the Chief Financial Officer, as a Program Analyst.
Peggy Carruthers and *Brendan McKee* join the Space and Life Sciences Resources Office, Office of the Chief Financial

Officer, as Program Analysts.
Curtis Larsen joins the Engineering Integration Office, Space Shuttle Systems Integration Office, Space Shuttle Program, as a Senior Systems Engineer.
Todd Gauer joins the Safety and Test Operations Division, Safety, Reliability, and Quality Assurance Office, as an Aerospace Engineer.
Michael Hallock joins the QARSO-WSTF, Safety and Test Operations Division, Safety, Reliability, and Quality Assurance Office, as an Aerospace Engineer.
Jon Olansen joins the Space Shuttle Division, Safety, Reliability, and Quality Assurance Office, as an Aerospace Engineer.
Curtis Cranmer joins the GFE Flight Projects Office, International Space Station Program, as Project Manager for Standards, Processes and Certification.
Eric Schultz joins the Requirement and Increment Integration Management Office, Mission Integration and Operations Office, International Space Station Program, as an increment Engineer.
Alan Brandon and *Karen McNamara* join the Planetary Science Branch, Earth Science and Solar Systems Exploration Division, Space and Life Sciences Directorate, as Space Scientists.
David McMahon joins the Engineering Branch, Aircraft Operations Division, Flight Crew Operations Directorate, as an Aerospace Engineer.

Promotions

Donna Morgan was selected as an Accounting Technician in the Financial Services Branch, Financial Management Division, Office of the Chief Financial Officer.

Reassignments to Other Directorates

Anthony Marino moves from the International Space Station Program to the Mission Operations Directorate.
Henry Pohl moves from the Mission Operations Directorate to the Engineering Directorate.
Steve Poulos moves from the International Space Station Program to the Engineering Directorate.
Theodore Ro moves from the International Space Station Program to the Technology Transfer and Commercialization Office.
Lee Snapp moves from the Office of the Chief Information Office to the Technology Transfer and Commercialization Office.
Helen Harris moves from the Human Resources Office to the Center Operations Directorate.
Brenda Eliason moves from the International Space Station Program to the Space Shuttle Program.
Dennis Halpin moves from the Engineering Directorate to the Space Shuttle Program.
Sandra Griffin moves from the Technology Transfer and Commercialization Office to the Safety, Reliability, and Quality Assurance Office.
Alicia Moore moves from the Engineering Directorate to the Safety, Reliability, and Quality Assurance Office.
Michael Rodriggs moves from the Mission Operations Directorate to the International Space Station Program.
Laurie Carrillo moves from the Mission Operations Directorate to the Space and Life Sciences Directorate.

Retirements

Wilbert Ellis of the Engineering Directorate.
Ginger Pack of the Engineering Directorate.
Claude Sykes of the Engineering Directorate.
Joe Pouzar of the Center Operations Directorate.

Resignations

Tamara Jernigan of the Flight Crew Operations Directorate.
Thomas Jones of the Flight Crew Operations Directorate.
P. J. Wisoff of the Flight Crew Operations Directorate.
Rena Haldiman of the Mission Operations Directorate.
Matthew McCurdy of the Engineering Directorate.
Lane Skyles of the Engineering Directorate.

NASA-FUNDED PHYSICIST
SHARES NOBEL PRIZE

ANTARCTIC/ALASKA-LIKE WIND
TURBINES COULD BE USED
ON MARS

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NASA BRIEFS

The 2001 Nobel Prize for physics has been awarded to three scientists, including a Massachusetts Institute of Technology physicist whose NASA-funded research uses ultra-cold atoms that form a new type of matter.

The Royal Swedish Academy of Sciences said Dr. Wolfgang Ketterle and two other scientists have caused atoms to “sing in unison.” Through their research, atomic particles were induced to have the same energy and to oscillate together in a controlled fashion. Laser light has these qualities, but researchers have struggled for decades to make matter behave this way. The breakthrough research has potential uses for extremely precise measurements. The discoveries may eventually lead to microscopic computers and ultra-precise gyroscopes that could dramatically improve aircraft guidance and spacecraft navigation.

The award cites the researchers’ achievements and early fundamental studies of Bose-Einstein condensation in dilute gases of alkali atoms. Bose-Einstein condensates are a peculiar form of matter predicted 75 years ago by Albert Einstein, based on research by the Indian physicist S.N. Bose.

Ketterle, a principle investigator for NASA’s Office of Biological and Physical Research, Washington, D.C., conducted the research independently of Drs. Eric Cornell and Carl Wieman, both of the Joint Institute of Laboratory Astrophysics and the National Institute of Standards and Technology, Boulder, Colo. Part of Ketterle’s research is performed under a NASA grant administered by the Jet Propulsion Laboratory, Pasadena, Calif.

Wind turbines designed to make electricity at the South Pole and in remote regions of Alaska may someday lead to similar wind machines for Mars bases, according to NASA scientists.

During missions to Antarctica, where there are about six months of darkness each year, NASA scientists first seriously considered modifying cold-weather wind machines so they could make vital electric power for bases on Mars. One reason scientists proposed use of wind power on Mars is wind turbines still could generate electricity during month-long martian global dust storms that can make days on the red planet as dark as night.

Wind turbines able to operate in extremely cold, windy areas are scheduled for testing in Kotzebue, Alaska, location of a wind power test farm. The wind turbine system to be used in the Alaskan village power system won R&D Magazine’s “R&D 100 Editors’ Award” in 2000.